

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A method for assembling a torque limiting device comprising:
assembling a damper disk assembly having a damper mechanism to be mounted to a member on the engine side thereof,
the torque limiting device having an input plate that is being fixed to a frictional coupling portion arranged on the an outer periphery of the said input plate,
and
an output member having an engagement hole that engages being configured to engage with an output shaft on the an inner peripheral portion thereof,
a damper that being configured to couple elastically couples the said input plate and the said output member in the a circumferential direction; and;
assembling a torque transmission controller that is being configured to be mounted to the an engine side member, said torque transmission controller having grasps the frictional coupling portion between a pair of plates being configured to grasp said frictional coupling portion therebetween, and said torque transmission controller being configured to control controls transmitted torque to said input plate; the method comprising the steps of:
a first step in which the centering and attaching said output member and the said torque transmission controller are centered with respect to each other and attached to each other; and the torque limiting device is then assembled; and

~~a second step in which the~~ centering said torque transmission controller and ~~the~~ said engine side member ~~are centered~~ with respect to each other subsequent to centering and attaching said output member and said torque transmission controller with respect to each other;[,] and

the attaching said torque transmission controller ~~torque limiting device~~ is attached to the said engine side member ~~via the torque transmission controller~~.

2. (Currently Amended) The method of assembling ~~the~~ a torque limiting device having ~~a damper mechanism~~ according to claim 1, ~~wherein the~~ further comprising assembling said input plate, the said output member, and the said damper ~~are assembled~~ together as a damper disk device prior to ~~the first step~~ centering and attaching said output member and said torque transmission controller.

3. (Currently Amended) The method of assembling ~~the~~ a torque limiting device having ~~a damper mechanism~~ according to claim 2, ~~wherein the~~ further comprising assembling said input plate and the said output member are centered and assembled together when the said damper disk device is assembled.

4. (Currently Amended) The method of assembling a torque limiting device having ~~a damper mechanism disclosed in~~ according to claim 3, wherein the said torque transmission controller includes[:],

a ring-shaped cover member that is disposed on ~~the~~ an outer peripheral side of the said friction coupling portion and mounted to ~~the~~ said engine side member[:], and

a pair of ring-shaped plates that are arranged such that ~~the~~ said frictional coupling portion is interposed therebetween on an inner peripheral side of ~~the~~ said cover member[,]; and

a biasing member ~~for applying to apply~~ to apply a predetermined grasping force to ~~the~~ said pair of ring-shaped plates.

5. (Currently Amended) The method of assembling a torque limiting device having ~~a damper mechanism disclosed in~~ according to claim 4, ~~wherein further comprising,~~ forming alignment holes ~~are formed in the~~ said cover member along ~~the~~ an axial direction[,]; and

~~in the first step, using a jig is used to center and to attach said output member and said torque transmission controller assemble the torque limiting device, the~~ said jig having an axial portion ~~that is~~ inserted into an engagement hole of ~~the~~ said output member, and alignment pins that are inserted into alignment holes of ~~the~~ said cover member.

6. (Currently Amended) The method of assembling a torque limiting device having ~~a damper mechanism disclosed in~~ according to claim 3 5, wherein ~~the~~ said input plate is a disk-shaped plate having holes in ~~the~~ an inner peripheral portion thereof[,];

both axial direction ends of ~~the~~ said output member ~~in the axial direction~~ are formed into a tubular shape, and one end thereof is inserted into a hole in ~~the~~ said input plate[,]; and

a bush is provided between ~~the~~ an outer peripheral surface of ~~the~~ said output member and ~~the~~ an inner peripheral surface of ~~the~~ said input plate, and ~~the~~ said output member and ~~the~~ said input plate are centered with respect to each other.

7. (New) The method of assembling a torque limiting device according to claim 4, wherein said input plate is a disk-shaped plate having holes in an inner peripheral portion thereof,

both axial direction ends of said output member are formed into a tubular shape, and one end thereof is inserted into a hole in said input plate, and

a bush is provided between an outer peripheral surface of said output member and an inner peripheral surface of said input plate, and said output member and said input plate are centered with respect to each other.

8. (New) The method of assembling a torque limiting device according to claim 3, wherein said input plate is a disk-shaped plate having holes in an inner peripheral portion thereof,

both axial direction ends of said output member are formed into a tubular shape, and one end thereof is inserted into a hole in said input plate, and

a bush is provided between an outer peripheral surface of said output member and an inner peripheral surface of said input plate, and said output member and said input plate are centered with respect to each other.

9. (New) The method of assembling a torque limiting device according to claim 1, wherein said damper mechanism includes a cone spring.

10. (New) The method for assembling a torque limiting device according to claim 9, wherein

said torque transmission controller has,

a first plate arranged on an axial transmission side of said frictional coupling portion,

a second plate arranged on an axial engine side of said frictional coupling portion and having a uniform axial thickness, and

said cone spring configured to be interposed between said second plate and said engine side member, said cone spring being configured to apply a grasping force to said first and second plates.

11. (New) A torque limiting device comprising:

a flywheel; and

a clutch disk assembly having,

a damper,

an input plate being fixed to a frictional coupling portion on an outer periphery of said input plate,

an output member having an engagement hole being configured to engage with an output shaft on an inner peripheral portion thereof, said output member and said input member being elastically coupled by said damper in a circumferential direction, and

a torque transmission controller being configured to be mounted to said flywheel, said torque transmission controller having,

a first plate being arranged on an axial transmission side of said frictional coupling portion,

a second plate being arranged on an axial engine side of said frictional coupling portion and having a uniform axial thickness, and

a cone spring being configured to be interposed between said second plate and said flywheel, said cone spring being configured to apply a grasping force to said first and second plates,
said torque transmission being configured to control transmitted torque to said output member, said torque transmission controller being attached to said flywheel.

12. (New) The torque limiting device according to claim 11, wherein said torque transmission controller includes,

a ring-shaped cover member that is disposed on an outer peripheral side of said friction coupling portion and mounted to said flywheel, and

a pair of ring-shaped plates that are arranged such that said frictional coupling portion is interposed therebetween on an inner peripheral side of said cover member.

13. (New) The torque limiting device according to claim 12, further comprising, wherein said cover member has alignment holes extending in an axial direction.

14. (New) The torque limiting device according to claim 13, wherein said input plate is a disk-shaped plate having a hole in an inner peripheral portion thereof,

both axial direction ends of said output member have a tubular shape, and one end thereof is inserted into said hole in said input plate

15. (New) The torque limiting device according to claim 14, wherein

a bush is provided between an outer peripheral surface of said output member and said inner peripheral surface of said input plate, and said output member and said input plate are centered with respect to each other.